

**UNIVERSITY OF ALABAMA AT BIRMINGHAM (UAB)  
SCHOOL OF MEDICINE  
CURRICULUM VITAE**

**Revised 10-1-2020**

**PERSONAL INFORMATION**

Name: Sameer Al Diffalha

Department: Department of Pathology

Business Address: Division of Anatomic Pathology/Department of Pathology  
University of Alabama at Birmingham  
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**RANK/TITLE:** Assistant Professor of Pathology (Tenured tract) 2017 – Present  
Director, GI Pathology Fellowship 2017 – Present  
Director, UAB -Tissue Biorepository 2019 – Present  
Associate Scientist, O’Neal Comprehensive Cancer Center 2020 – Present  
Director, GI & Hepato-Pancreatobiliary Pathology 2017 – 2019  
Asst Director, UAB-Tissue Collection and Banking Facility 2017 – 2019

**EDUCATION:**

<b>Institution</b>	<b>Degree</b>	
Moffitt Cancer Center Tampa FL	Gastrointestinal Surgical Pathology Fellowship Mentors: Dr. Gregory Lauwers & Dr. Domenico Coppola	2016 – 2017
Moffitt Cancer Center Tampa FL	Surgical Oncologic with Breast Focus Fellowship Mentors: Dr. Ardeshir Hakam & Dr. Marlin Rosa	2015 – 2016
Loyola University Medical Center LUMC Chicago, IL	Resident, Anatomic & Clinical Pathology	2011 – 2015
Damascus University Syria	Resident, Anatomic Pathology	2006 – 2011
Damascus University, Syria	Doctor of Medicine, MD	2000 – 2006

**ACADEMIC APPOINTMENTS:**

2017– Present	<i>Assistant Professor</i> (Tenured), Department of Pathology, University of Alabama at Birmingham
2017– Present	<i>Director</i> , GI & Hepato-Pancreatobiliary Pathology Fellowship, UAB.
2019 – Present	<i>Director</i> , UAB-Tissue Biorepository (UAB-TBR)
2020 – Present	<i>Associate Scientist</i> , O’Neal Comprehensive Cancer Center, UAB.
2017 – 2019	<i>Director</i> , GI & Hepato-Pancreatobiliary Pathology
2017 – 2019	<i>Assistant Director</i> , UAB-Tissue Collection and Banking Facility (TCBF)
2017 – 2019	<i>Assistant Director</i> , Cooperative Human Tissue Network (CHTN), Southern Division
2016 – 2017	<i>GI Fellow</i> , Department of Pathology, Moffitt Cancer Center, Tampa FL.
2015 – 2016	<i>Surgical Oncologic Fellow</i> , Department of Pathology, Moffitt Cancer Center, Tampa FL
2006 – 2011	<i>Lecturer</i> , Dept. of Pathology, Damascus University, School of Medicine, Damascus Syria

**ADMINISTRATIVE AND LEADERSHIP APPOINTMENTS**

2019– Present	<i>Member, the UAB Tissue Committee</i> , University of Alabama at Birmingham
2017– Present	<i>Member, the UAB GI Working Group</i> , University of Alabama at Birmingham
2018– Present	<i>Member, the UAB Multidisciplinary Pancreatobiliary disease Planning Committee</i> University of Alabama at Birmingham
2019– Present	<i>Member, the UAB Tissue Biorepository Committee</i> , University of Alabama at Birmingham
2017– Present	<i>Member, the UAB Pathology Fellowship Committee</i> , University of Alabama at Birmingham
2013 – 2015	<i>Member, the LUMC Tissue Committee</i> , Loyola University Medical Center

**AWARDS/HONORS:**

2020	<i>A nominee for the 2020 UAB SOM dean's excellent award for service</i>
2020	<i>A nominee for the UAB 2020 President's excellent award for teaching</i>
2020	<i>A nominee for the UAB 2020 Above and Beyond Contributions During COVID-19 Response</i>
2020	<i>Argus Awards Nominees, Best Educator</i>
2019	<i>Elected Fellow of the College of American Pathologists</i>
2019	<i>Young investigator honor certificate</i> , The American Gastroenterological Association (AGA)
2019	<i>Presidential Poster Award</i> . The American Gastroenterological Association (AGA).
2016	<i>Clinical Science Poster</i> , Moffitt Scientific Symposium
2015	<i>Outstanding and Contribution</i> , Loyola University Medical Center, Dept. Of Pathology.

**LICENSURE**

12-31-2020	<i>AL license</i> (MD 36230), Active
1-31-2021	<i>FL license</i> (ME 122459), Active

**BOARD CERTIFICATION**

July 2015 *AP/CP American Board of pathology*  
 August 2010 *ECFMG*

**PROFESSIONAL SOCIETY MEMBERSHIPS**

2012– Present *College of American Pathologists (CAP)*  
 2012– Present *United States and Canadian Academy of Pathology (USCAP)*  
 2012– Present *American Society of Clinical Pathology (ASCP)*  
 2019– Present *Pancreatobiliary Pathology Society (PBPS)*  
 2019– Present *Rodger C. Haggitt Gastrointestinal Pathology Society (GIPS)*  
 2019– Present *International Society for Biological and Environmental Repositories (ISBER)*  
 2019– Present *Hans Popper Hepatopathology Society (HPPS)*  
 2012– 2019 *Florida Society of Pathology (FSP)*  
 2013 – 2014 *American Society of cytopathology (ASC)*

**MENTEES (JUNIOR FACULTIES)**

2019 – 2020 Adam Wilberger, MD *Assistant professor, Dept. pathology at UAB*  
 2019 – 2020 Chirag Patel, MD *Assistant professor, GI pathology at UAB*

**MENTEES (FELLOWS):**

2017 – 2018 Chirag Patel, MD *Assistant professor, GI pathology at UAB*  
 2017 – 2018 Ian Martin, DO *Assistant professor, Dept. pathology at UAB*  
 2018 – 2019 Robin Collingwood, MD *Assistant professor, GI pathology at UPN*  
 2019 – 2020 Meng Jun Xiong, MD *GI pathologist, Tift Regional Health / GA*  
 2020-2021 Sophia B Sher, MD *GI pathology Fellow at UAB*

**MENTEES (PRESIDENTS, EXTERNAL AND INTERNAL):**

2019-2020 Sophia B Sher, MD *Resident, PGY4, Brookwood Baptist Health*  
 2019-2020 Raima, Memon *Resident, PGY2, Dept. pathology at UAB, Future surgical pathology fellow at Mayo Clinic Rochester 2021-2022*  
 2019-2020 Qing Chen *Resident PGY2, Dept. pathology at UAB*  
 2018-2019 Paul Booth *Resident PGY3, Dept. pathology at UAB, Cytopathology Fellow at Moffitt Cancer Center Tampa FL 2020-2021, Future GI pathology fellow at University of Florida Gainesville 2021-2022*  
 2017-2019 Smitha Mruthyunjayappa *Resident, PGY1-2, Dept. pathology at UAB, Future surgical pathology fellow at UAB 2021-2022, Future GI pathology fellow at UAB 2022-2023*

**TEACHING EXPERIENCE**

2017– Present *Medical students, SOM University of Alabama at Birmingham*  
 2017– Present *Residents, University of Alabama at Birmingham. Dept. of Pathology*  
 2017– Present *Fellows, University of Alabama at Birmingham. Dept. of Pathology*  
 2017– Present *Residents and Fellows, Dept. of Medicine GI Division, UAB*

- 2015 – 2017 *Medical students, Pathology Lab, School of Medicine, University of South Florida/ Tampa General Hospital, Dept. of Pathology, Tampa, FL*
- 2015 – 2017 *Residents and Fellows, Dept. of Pathology, H. Lee Moffitt Cancer Center, Tampa, FL*
- 2011 – 2014 *Medical students, Pathology Lab, Loyola University Medical Center, Stritch School of Medicine (Virtual Surgical Pathology/Microscopy and Small Group Sessions)*
- 2006 – 2010 *Medical students, Pathology Lab, Damascus University, School of Medicine (Virtual Surgical Pathology/Microscopy and Small Group Sessions)*

**INVITED GUEST SPEAKER (SPECIAL SEMINAR):**

- 2020 *Invited Lecture– “Title: Upper GI Tract Esophagus and Stomach, High yield pathology review (Nuts and Bolts)” University of Alabama at **Birmingham (UAB) Department of Medicine Division of Gastroenterology and hepatology, GI fellows teaching series 08-24-2020 (Virtual)***
- 2020 *Invited Lecture – “Liver neoplasia, Primary versus metastasis” **University hospital Cologne** Dept. Of Pathology, June 25th, 2020, evening session, **Cologne, Germany (Virtual)***
- 2020 *Invited Lecture – “Liver neoplasia, Primary versus metastasis” **University of Missouri–Kansas City (UMKC)** Dept. Of Pathology, June 25th, 2020, noon lecture (Virtual)*
- 2020 *Invited Lecture – “Colon neoplasia.” **Brookwood Baptist Health**, Dept. of Pathology. June 11th, 2020, Birmingham AL (Virtual)*
- 2020 *Invited Lecture – “Liver neoplasia, do not overlook the sinusoids.” **Brookwood Baptist Health**, Dept. of Pathology. May 27th, 2020, Birmingham AL (Virtual)*
- 2020 *Invited Lecture – “Liver and biliary Tract neoplasia, case scenarios”, **University Of Illinois at Chicago (UIC)**, Dept. of Pathology. May 14th, 2020, Chicago IL (Virtual)*
- 2019 *Invited Lecture– “Title: Upper GI Tract (Nuts and Bolts)” University of Alabama at Birmingham (**UAB) Department of Medicine Division of Gastroenterology and hepatology, GI fellows teaching series 04-2019.***
- 2018 *Invited Lecture– “Title: Upper GI Tract (Nuts and Bolts)” University of Alabama at Birmingham (**UAB) Department of Medicine Division of Gastroenterology and hepatology, GI fellows teaching series 08-2018***

- 2017 *Pathology Special Seminar* – "Interesting and Rare Neoplasms of the GI Tract", **Yale School of Medicine**, Department of Pathology, Jan 5<sup>th</sup> 2017, Newhaven CT
- 2017 *Pathology Special Seminar Series* – "Interesting and Rare Neoplasms of GI Tract". **University of Alabama at Birmingham (UAB)** Department of Pathology. Wallace Tumor Institute, Room 101, Feb 3rd, 2017, Alabama
- 2017 *Invited Talk* – “CD133 Protein Expression as a Biomarker for Early Detection of Gastric Cancer” **3rd Annual Moffitt Pathology Symposium** (MCC), Feb 3rd 2017 Sarasota, FL
- 2016 *Pathology Special Seminar* – Intratesticular Adenomatoid Tumor, Case and Review of Literature **Moffitt Cancer Center**, Department of Pathology May 2016
- 2013 *Invited Lecture* –“Dermatofibrosarcoma Protuberans, Myxoid Variant” **Illinois Registry Anatomic Pathology (IRAP)** April 2013, Chicago IL

#### **TALKS/ COURSES/LECTURES/ TEACHING PRESENTATIONS:**

- 2020 *Invited Lecture* – *Gastrointestinal course Instruction/Learning # PCL1175* “Title: Pancreas Pathology Case Conference-Case-Based” University Of Alabama at Birmingham, School of Medicine 23 Apr 2020.
- 2020 *Invited Lecture* — *Gastrointestinal course Instruction/Learning # PCL1175* “Title: Liver/Biliary Tract Neoplasia Case Conference-Case-Based” University Of Alabama at Birmingham, School of Medicine 22 Apr 2020.
- 2020 *Invited Lecture* — *Gastrointestinal course Instruction/Learning # PCL1175* “Title: Gastric, Small & Large Intestinal Neoplasia Case Conference-Case-Based” University Of Alabama at Birmingham, School of Medicine 10 Apr 2020.
- 2020 *Invited Lecture* — *Gastrointestinal course Instruction/Learning # PCL1175* “Title: Esophagus/Stomach Case Conference-Case-Based” University Of Alabama at Birmingham, School of Medicine 7 Apr 2020.
- 2020 *Pathology Lab-1 instructor* –*Gastrointestinal course # PCL1175* “Pathology Lab-1, - 90 minute sessions as assigned-Laboratory” University Of Alabama at Birmingham, School of Medicine 4/2020.
- 2020 *Pathology Lab-2 instructor* –*Gastrointestinal course # PCL1175* “Pathology Lab-2, - 90 minute sessions as assigned-Laboratory” University Of Alabama at Birmingham, School of Medicine 4/2020.
- 2019 *Invited Lecture* – *Gastrointestinal course # PCL1175* “Title: Liver, Gallbladder Neoplasia-Lecture” University Of Alabama at Birmingham, School of Medicine 4/2019.

- 2019 *Invited Lecture – Gastrointestinal course # PCL1175 “Stomach, S & L Intestinal Neoplasia-Case-Based Instruction/Learning”* University Of Alabama at Birmingham, School of Medicine 4/2019.
- 2019 *Invited Lecture – Gastrointestinal course # PCL1175 “Stomach Self-Study Independent Learning”* University Of Alabama at Birmingham, School of Medicine 4/2019.
- 2019 *Pathology Lab-1 Director –Gastrointestinal course # PCL1175 “ Pathology Lab-1, - 90 minute sessions as assigned-Laboratory”* University Of Alabama at Birmingham, School of Medicine 4/2019.
- 2019 *Pathology Lab-2 Director –Gastrointestinal course # PCL1175 “ Pathology Lab-2, - 90 minute sessions as assigned-Laboratory”* University Of Alabama at Birmingham, School of Medicine 4/2019.
- 2019 *Invited Lecture – Gastrointestinal course # PCL1175 “Title: Pathology of the Esophagus-Case-Based Instruction/Learning”* University Of Alabama at Birmingham, School of Medicine 4/2019.
- 2019 *Lecture – UAB Residents teaching series “Title: Esophagus and Stomach, Macroscopic examination/grossing techniques”.* University Of Alabama at Birmingham, Department of Pathology 1/2019.
- 2019 *Lecture – UAB Residents teaching series “Title: Lower GI Tract, hepatobiliary and pancreas Macroscopic examination/grossing techniques”* University Of Alabama at Birmingham, Department of Pathology 1/2019.
- 2018 *Lecture – UAB Residents teaching series “Title: Liver pathology, neoplastic and neoplastic lesions”* University Of Alabama at Birmingham, Department of Pathology 8/2018.
- 2018 *Lecture – UAB Residents teaching series “Title: GI Tract, hepatobiliary and pancreas pathology, neoplastic and neoplastic lesions”* University Of Alabama at Birmingham, Department of Pathology 8/2018.
- 2018 *Lecture – UAB Residents teaching series “Title: Esophagus and Stomach”* University Of Alabama at Birmingham, Department of Pathology 7/2018.
- 2018 *Lecture – UAB Residents teaching series “Title: Review of Neoplastic Gastric Lesions”* University Of Alabama at Birmingham, Department of Pathology 2/2018.
- 2017 *Lecture – UAB Residents teaching series “Title: Review of Neoplastic Gastric Lesions”* University Of Alabama at Birmingham, Department of Pathology 11/2017.
- 2014 *Lecture –Residents teaching series “Title: Liver Pathology”* Loyola University Medical Center, Department of Pathology 7/2014.
- 2013 *Lecture –Residents teaching series “Title: IgG4 Related Disease, Autoimmune Pancreatitis”* Loyola University Medical Center, Department of Pathology 10/2013.
- 2013 *Lecture –Residents teaching series “Title: Cysts of the Liver”* Loyola University Medical Center, Department of Pathology 4/2013.
- 2012 *Lecture –Residents teaching series “Title: Intravascular Large B-Cell*

- Lymphoma” Loyola University Medical Center, Department of Pathology 7/2012.
- 2012 *Lecture* –Residents teaching series “Title: Medullary Carcinoma of the Colon” Loyola University Medical Center, Department of Pathology 2/2012.

### REVIEWER FOR JOURNALS

- 2017– Present *World Journal of Gastroenterology*
- 2017– Present *Diagnostic Cytopathology*
- 2018– Present *Journal of Surgery*
- 2019– Present *World Journal of Surgical Oncology*
- 2019– Present *Modern Pathology*
- 2019– Present *Lab Medicine*
- 2019– Present *Biopreservation and Biobanking*
- 2020– Present *American Journal of Clinical Pathology (AJCP)*
- 2020– Present *Human Pathology Case reports*

### EDITORIAL BOARD MEMBERSHIPS:

- 2019– Present Clinical Pathology & Research Journal (CPRJ)

### GRANT SUPPORT

#### CURRENTLY ACTIVE:

1. K08 CA 234209-02 (NIH/NCBI) 7/1/2019 – 6/31/2024  
(Collaborator) \$794,070  
***Targeted Treatment of Metastatic Gastroenteropancreatic NETs***  
The major goal is to target gastroenteropancreatic neuroendocrine tumors with nanoparticles to deliver anticancer drugs
2. Institutional Pilot (Dept. Pathology) 2018-2021  
(Principle investigator) \$5000  
***Identification of Genetic Determinants of Diffuse Cirrhosis-Like Hepatocellular Carcinoma.***  
No efforts have been made to identify, in CL-HCC, genetic alterations/mutations that are associated with this rare variant, but not with HCC, and to aid in differential diagnosis and to aid physicians in treatment/management. Thus, by next-generation sequencing, we propose to profile CL-HCCs, HCCs and their corresponding benign tissues for mutational status.
3. K08CA190645 (NIH/NCI) (K08) 8/2016 – 01/2021  
(Collaborator) \$210736.00  
***Intra-tumor Heterogeneity in Colorectal Cancer Progression and Treatment Response***  
The goal is to assess the clinical importance of genetic sub-clones in Colorectal Cancer.
4. R21 CA245580-01A1 (NIH/NCBI) 07/07/2020- 06/30/2022  
(Co-Investigator) \$381,830

***Imaging of alterations in SSTR2 expression with histone deacetylase (HDAC) inhibitors treatment for neuroendocrine tumors***

Management of NETs has proved problematic since the disease is often diagnosed at metastatic stage when therapeutic options are limited. Newly approved techniques for NET imaging, [68Ga]DOTATATE PET/CT, and therapy, [177Lu] DOTATATE, that specifically target somatostatin receptor subtype 2 (SSTR2) are becoming more standard. To improve detection and treatment of NETs, especially these with marginal expression of SSTR2, we propose a method of pharmacological upregulation of SSTR2 using histone deacetylase (HDAC) inhibitors: thailandepsin A (TDP-A) and valproic acid (VPA).

5. Institutional Support (UAB-HSF General Endowment Fund) 01/11/2019-31/10/2024

(Co-Investigator)

\$100,000

***UAB Digitally-federated Enterprise Biorepository***

To support UAB and Cancer Center members with embedded high quality materials (fresh, fixed and paraffin embedded tissue) for their researches.

6. Institutional Adams Grant (Dept. Pathology) 6/30/2020- 7/1/2021

(Senior mentor)

\$ 2000

***Identification of genetic determinants and molecular profiling of a primary gastric sclerosing epithelioid fibrosarcoma***

The innovative aspect of this pilot project is identification of specific genetic alterations in the gastric sclerosing epithelioid fibrosarcoma that will aid in differential diagnosis. Newly identified genetic alterations that are unique to this variant will be helpful for accurate diagnosis and management. Moreover, these findings will lead to future studies that validate the functional/biological relevance of this variant to understand its pathobiology and to predict response to treatment.

7. Institutional Adams Grant (Dept. Pathology) 6/30/2020- 7/1/2021

(Senior mentor)

\$ 2000

***Identification of genetic determinant and molecular profiling of Cholangioblastic variant of intrahepatic cholangiocarcinoma***

The aim of the study is to determine mutations and cytogenetic alterations of cholangioblastic variant of intrahepatic cholangiocarcinoma to help reaching accurate diagnosis and treatment.

**PENDING**

1. 525860-SP006 (NIH/NCI) 07/01/2020 – 06/30/2025

(Co-investigator)

\$ 1, 45,000

***SPORE in Neuroendocrine neoplasm at University of Alabama at Birmingham-Pathology***

The specific aims include providing NE tumor biospecimens to support full projects and future pilot projects of the Career Enhancement and Development Research Programs and to provide NE tumor biospecimens to projects of other SPORE programs. The Pathology Core will work with the UAB-TBR to provide NE cancer biospecimens to UAB NE SPORE investigators and to external investigators (by establishing vertical and horizontal collaborations) and will protect patient welfare; provide assay support (e.g., immunohistochemistry, in situ hybridization, DNA and RNA sequencing, and ancestry informative marker analyses) to full and pilot projects;



provide specimens to establish organoids and patient-derived xenografts; e) provide de-identified specimen annotations to the investigators; study issues in biorepository sciences; and publicize to local communities the importance to biomedical research of donating tissues.

2. R21CA250829 (NIH/NCBI) 04/01/2020 – 03/31/2022  
(Co-investigator) \$408,375  
***Evaluating the Immune Landscape of Co-Existing Anal Pre-Cancer Lesions for the Identification of Local and Systemic Biomarkers in High-Risk HIV Patients***  
The primary objectives of this project are to evaluate HPV genetic variation across all 6 anatomic sites where HPV causes cancer and to determine how HPV viral variation relates to cancer risk by anatomic site. To accomplish this, we will construct a large cohort of HPV-related cancers and pre-cancers across all 6 anatomic sites where HPV causes cancer. Tissue specimens and clinical data will be pooled from 3 major institutions, Vanderbilt University Medical Center (VUMC), University of Alabama at Birmingham (UAB) and the National Cancer Institute (NCI). ~4,000 previously identified cancer and precancerous tumor tissues will be pulled from the surgical pathology archives at VUMC and UAB. Specimens will be sent to the NCI for HPV variant genome sequencing. Clinical data, including patient prognosis, will be abstracted from the electronic medical record. The NCI will additionally contribute data on ~6,000 previously sequenced HPV-associated cancers and precancers, resulting in a total cohort of approximately ~10,000.
  
3. P01 NHLBI (Gamble) 09/01/2020 – 08/25/2025  
(Co-investigator)  
***Diet-induced Circadian Dysfunction and Cardiovascular Disease Risk***  
The overall goal of this PPG is to elucidate mechanisms underlying disruption of the multi-organ circadian network in diet-induced obesity, leading to hypertension and vascular dysfunction. Each of the four proposed projects will examine whether misaligned tissue-specific clocks contribute to diet-related hypertension and vascular dysfunction. The hypothesis of Project 3 (Circadian control of vascular and hepatic function in diet-induced obesity – Bailey, Project Leader) is that high fat diet-induced disruption of the circadian clock and thus, temporal control of hepatic energy metabolism, plays a causal role in the development of vascular and hepatic dysfunction. My role will be to provide histopathology expertise in assessing DIO-induced changes in liver tissue.
  
4. OSP 000529309 (NIH/NCI) (R01) 04/01/2021-03/31/2026  
(Co-investigator) \$2,142,971  
***Characterization and Targeting of AAA ATPase TRIP13 in Colorectal Cancer***
  
5. OPS 000529095 (NIH/NCI) 09/30/2020-09/29/2025  
(Co-investigator) \$7,818,612  
***The UAB SeroNet Center of Excellence to Reduce Disparities in COVID-19 -Modulated Cancer Immunopathology and Health Outcomes***

**PUBLICATIONS:** 35 manuscripts (23 PubMed covered, 12 are not yet covered). 2 Book chapters and 49 published abstracts in international/national meetings.

**Manuscripts:**

1. Espinoza I, Agarwal S, Reddy A, Shenoy V, Subramony C, Sakiyama M, Fair L, Poosarla T, Zhou X, Orr S, Lahr C, Bae S, **Diffalha S**, Manne U, Gomez C : “Expression of trefoil factor 3 is decreased in colorectal cancer” *Oncology Reports* (In press).
2. Pesoli C, Patel C, Eltoun E, Reddy S, and **Al Diffalha S**: “Rare new entity of follicular pancreatitis that mimics pancreatic cystic neoplasm. A care report and review of literature” *Gastroenterology & Hepatology GHIJ-CR-20-182* (In press).
3. Agrawal S, Behring M, Kim HG, Chandrashekar D, Chakravarthi B, Gupta N, Bajpai P, Elkholy A, **AL Diffalha S**, Datta P, Heslin M, Varambally S, Manne U: "TRIP13 promotes metastasis of colorectal cancer regardless of p53 and microsatellite instability status" *Molecular Oncology* manuscript ID is MOLONC-20-0608 (In press).
4. Memon R, Prieto-Granada C, Patel C, Manne U, Heslin M, Harada S, and **Al Diffalha S**: "Gastric Sclerosing Epithelioid Fibrosarcoma Harboring a Rare *FUS-CREM* Fusion" *International Journal of Surgical Pathology*, manuscript ID is IJSP-20-0593 (In press).
5. Fei F, Reddy V, Patel G, Peker D, and **Al Diffalha S**: “EBV Positive Mucocutaneous Ulcer (EBVMCU): Single Center Series of four Cases and Review of Literature”. *Annals of Clinical & Laboratory Science* (In press).
6. Fei F, Reddy V, Patel C, Dhall D, Lee G, and **Al Diffalha S**: “Monomorphic epitheliotropic intestinal T-cell lymphoma: A study of four cases and review of literature. Submitted to *Annals of Clinical & Laboratory Science*. (In press).
7. Meng X, Patel R C, Manne U, and **Al Diffalha S**: “A case series of Diffuse Cirrhosis-Like Hepatocellular Carcinoma and review of literature” *Hepatic Onc* [futuremedicine.com/doi/10.2217/hep-2020-0015](https://futuremedicine.com/doi/10.2217/hep-2020-0015)
8. Qing W, Leal S, Qarmali M, Charles Mel W, Patel C, and **Al Diffalha S**: “Sarcina ventriculi: A Rare Case of Life-Threatening Perforated Gastric Ulcer and Review of Literature”. *Journal of Gastric Surgery*. 2, 2 (May 2020), 53-56. DOI: <https://doi.org/10.36159/jgs.v2i2.36>.
9. Valcin J, Udoh U, Swain T, Andringa K, Patel C, **Al Diffalha S**, Baker P, Gamble K, and Bailey S: “Alcohol and liver clock disruption increase small droplet macrosteatosis, alter lipid metabolism and clock gene expression rhythms, and remodel the triglyceride lipidome in mouse liver”. *Front. Physiol* 2020 | <https://doi.org/10.3389/fphys.2020.01048>
10. Mohanty SK, Tiwari A, Bhardwaj N, Chuang F, Kim E, Lugo H, Yuan X, **AL Diffalha S**, Peralta-Venturina M, Balzer B, and Dhall D: "Positivity for SATB2 distinguishes Islet1 positive Rectal Neuroendocrine Tumors from Pancreaticoduodenal Neuroendocrine Tumors." *Journal of Clinical Pathology*, manuscript ID is [jclinpath-2020-206645](https://doi.org/10.1136/jclinpath-2020-206645).R1 (In press).
11. Agarwal S, Chakravarthi BVSK, Behring M, Kim HG, Chandrashekar DS, Gupta N, Bajpai P, Elkholy A, Balasubramanya SAH, Hardy C, **Diffalha SA**, Varambally S, Manne U. PAICS, a Purine Nucleotide Metabolic Enzyme, is involved in Tumor Growth and the Metastasis of Colorectal Cancer. *Cancers* (Basel). 2020 Mar 25; 12(4). pii: E772. doi: 10.3390/cancers12040772. PubMed PMID: 32218208.
12. Agarwal S, Behring M, Kim HG, Bajpai P, Chakravarthi BVSK, Gupta N, Elkholy A, **Al Diffalha S**, Varambally S, Manne U. Targeting P4HA1 with a Small Molecule Inhibitor in a Colorectal Cancer PDX Model. *Transl Oncol*. 2020 Mar 18; 13(4):100754. doi:

- 10.1016/j.tranon.2020.100754. [Epub ahead of print] PubMed PMID: 32199274; PubMed Central PMCID: PMC7082635.
13. Jariwala R, **Al Diffalha S**, Russ KB. A Surprising Find on Screening Colonoscopy. *Clin Gastroenterol Hepatol.* 2020 Feb 10. pii: S1542-3565(20)30169-5. doi: 10.1016/j.cgh.2020.02.006. [Epub ahead of print] PubMed PMID: 32057977.
  14. Saller J, **Al Diffalha S\***, Neill K, Bhaskar RA, Oliveri C, Boulware D, Levine H, Kalvaria I, Corbett FS, Khazanchi A, Klapman J, Coppola D. CDX-2 Expression in Esophageal Biopsies Without Goblet Cell Intestinal Metaplasia May Be Predictive of Barrett's Esophagus. *Dig Dis Sci.* 2019 Nov 5. PubMed PMID: 31691172. **\*co-first authors.**
  15. Nicolas CT, **Al Diffalha S**, Reddy S. Diffuse histology-proven mucinous cystic neoplasm of the pancreas: A case report and review of literature. *Int J Surg Case Rep.* 2019; 64:123-127. Epub 2019 Oct 15. PubMed PMID: 31634784; PubMed Central PMCID: PMC6806458.
  16. Agarwal S, Behring M, Hale K, **Al Diffalha S**, Wang K, Manne U, Varambally S. MTHFD1L, A Folate Cycle Enzyme, Is Involved in Progression of Colorectal Cancer. *Transl Oncol.* 2019 Aug 14; 12(11):1461-1467. doi: 10.1016/j.tranon.2019.07.011. [Epub ahead of print] PubMed PMID: 31421459; PubMed Central PMCID: PMC6704443.
  17. **Al Diffalha S**, Sexton KC, Watson PH, Grizzle WE. The Importance of Human Tissue Bioresources in Advancing Biomedical Research. *Biopreserv Biobank.* 2019; 17(3):209-212. doi: 10.1089/bio.2019.0039. PubMed PMID: 31188626.
  18. Otali D, **Al Diffalha S**, Grizzle WE. Biological, Medical, and Other Tissue Variables Affecting Biospecimen Utilization. *Biopreserv Biobank.* 2019 Jun; 17(3):258-263. doi: 10.1089/bio.2018.0094. PubMed PMID: 31188629; PubMed Central PMCID: PMC6588123.
  19. Grizzle WE, Bledsoe MJ, **Al Diffalha S**, Otali D, Sexton KC. The Utilization of Biospecimens: Impact of the Choice of Biobanking Model. *Biopreserv Biobank.* 2019; 17(3):230-242. doi: 10.1089/bio.2019.0008. PubMed PMID: 31188627.
  20. Cives M, Strosberg J, **Al Diffalha S**, Coppola D. Analysis of the immune landscape of small bowel neuroendocrine tumors. *Endocr Relat Cancer.* 2019 Jan 1; 26(1):119-130. doi: 10.1530/ERC-18-0189. PubMed PMID: 30400003.
  21. Howard R, **Al Diffalha S**, Pimiento J, Mejia J, Enderling H, Giuliano A, Coppola D. CD133 Expression as a Helicobacter pylori-independent Biomarker of Gastric Cancer Progression. *Anticancer Res.* 2018 Aug; 38(8): 4443-4448. doi: 10.21873/anticancer.12746. PubMed PMID: 30061208.
  22. Neill KG, Saller J, **Al Diffalha S**, Centeno BA, Malafa MP, Coppola D. EGFR L861Q Mutation in a Metastatic Solid-pseudo papillary Neoplasm of the Pancreas. *Cancer Genomics Proteomics.* 2018 May-Jun; 15(3):201-205. PubMed PMID: 29695402; PubMed Central PMCID: PMC5971012.
  23. Agosto-Arroyo E, Tahmasbi M, **Al Diffalha S**, Khazai L, Xiong Y, Rosa M. Invasive Breast Carcinoma Tumor Size on Core Needle Biopsy: Analysis of Practice Patterns and Effect on Final Pathologic Tumor Stage. *Clin Breast Cancer.* 2018 Oct; 18(5):e1027-e1030. doi: 10.1016/j.clbc.2018.02.013. Epub 2018 Mar 5. PubMed PMID: 29622383.
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  25. Weitman E, **Al Diffalha S**, Centeno B, Hodul P. An isolated intestinal duplication cyst masquerading as a mucinous cystic neoplasm of the pancreas: A case report and review of the

- literature. *Int J Surg Case Rep.* 2017; 39:208-211. doi: 10.1016/j.ijscr.2017.08.030. Epub 2017 Aug 24. PubMed PMID: 28854411; PubMed Central PMCID: PMC5575442.
26. **Al Diffalha S**, Al Aukla N, Hasan S, Dickinson S, Khalil F. NUT Midline Carcinoma: A Rare Malignancy. *Cancer Control.* 2017 Apr; 24(2):202-206. PubMed PMID: 28441376.
  27. **Al Diffalha S**, Shaar M, Barkan GA, Wojcik EM, Picken MM, Pambuccian SE. Immunohistochemistry in the workup of prostate biopsies: Frequency, variation and appropriateness of use among pathologists practicing at an academic center. *Ann Diagn Pathol.* 2017 Apr; 27:34-42. doi: 10.1016/j.anndiagpath.2017.01.003. Epub 2017 Jan 7. PubMed PMID: 28325359.
  28. **Al Diffalha S**, Agosto-Arroyo E, Rosa M, and Khazai L. "Symmetrical lipomatosis of tongue, misdiagnosed as primary amyloidosis". *Human pathology: Case Reports, Volume 8, 1 – 2.* <https://doi.org/10.1016/j.ehpc.2016.10.005>
  29. **AL Diffalha S**, Tahmasbi M and Khalil F. "Rare case of combined small cell lung cancer with adenocarcinoma and squamous cell carcinoma". *Hum Pathol case report.* Received 8 February 2016 Accepted 18 May 2016. <https://doi.org/10.1016/j.ehpc.2016.05.002>
  30. Tobin-Vealey K, Jain S, **Al Diffalha S**, Sohn A, Henry E, Czerlanis C, Bhoopalam N. Use of Fluorodeoxyglucose-Positron Emission Tomography in the Diagnosis of Intravascular Diffuse Large B-Cell Lymphoma. *Fed Pract.* 2016 May; 33(Suppl 4):32S-36S. PubMed PMID: 30766217; PubMed Central PMCID: PMC6375448.
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  32. **Al Diffalha S**, Pambuccian S, Farooq A, and Barkan G: Intratesticular Adenomatous Tumor, A Case Report and Review of the Literature. Final version published online: 17-JUN-2016. Full bibliographic details: *Human Pathology: Case Reports (2016)*, pp. 13-17. DOI information: 10.1016/j.ehpc.2015.05.003
  33. Sun B, Lapetino S, **Al Diffalha S**, Yong S, Gaba R, Bui J, Koppe S, Garzon S and Guzman G: "Microvascular injury in antacid resistant persistent gastric ulcers following Yttrium-90 microsphere radioembolization for liver malignancies". *HumPathol.* 2016 Apr; 50:11-4. doi: 10.1016/j.humpath.2015.10.016. Epub 2015 Nov 11. PubMed PMID: 26997433.
  34. Arville B, **Al Diffalha S**, Mehrotra S: "Cervical squamous cell carcinoma metastatic to pericardial fluid--large cell balls masquerade as adenocarcinoma". *Diagn Cytopathol.* 2015 Nov; 43(11):912-5. doi: 10.1002/dc.23288. Epub 2015 May 5. PubMed PMID: 25940020.
  35. Kwong C, **Al Diffalha S**, Pambuccian S and Barkan G: "Tracking Changes in Major Discrepancies between Cytotechnologist and Cytopathologist in Gynecologic Cytopathology an Observational Study of 2 Years". *Journal of the American society of cytopathology.* <https://doi.org/10.1016/j.jasc.2014.09.180>

#### **Manuscripts submitted for publication:**

1. Axley P, Council L, Collingwood R, Patel C, Council L, Shajan P and **AL Diffalha S**: "Videoconference Microscopy is a Reliable Alternative to Microscopy in Evaluation of Barrett's Esophagus- Zooming into a New Era". *Clinical Gastroenterology and Hepatology*
2. Baldwin N, Gray M and **Al Diffalha S**: "Acute liver failure due to Toxoplasmosis in a patient after orthotopic liver transplantation: Case Report and Review of the Literature". Submitted to *Annals of Gastroenterology.*

3. Johnson M, **Al Diffalha S** and Drew G J: "A Rare Case of Jejunal Perforation Secondary to Disseminated Histoplasmosis". Submitted to the Journal of Surgical Case Reports. (JSCR-2020-0517)
4. Herndon J, **Al Diffalha S**, Russ K: "Diarrhea So Bad It Makes Your Tongue Swell". American journal of Gastroenterology (ACG) case report journal.
5. Nethala P, **Al Diffalha S**, Russ K: "A Rare Cause of Enteritis and Rash in an Adult Male". American journal of Gastroenterology (ACG) case report journal.
6. Espinoza I, Agarwal S, Reddy A, Shenoy V, Subramony C, Sakiyama M, Fair L, Poosarla T, Zhou X, Orr S, Lahr C, Bae S, **AL Diffalha S**, Manne U, Gomez C: "Expression of Trefoil Factor 3 is Decreased in Colorectal Cancer." Submitted for publication at Cancer Medicine CAM4-2020-06-2410.
7. Ye Y, Greer A, Mukherjee A, Chu D, Bansal A, Sudenga S, Junkins A, **Al Diffalha S**, Saag M and Shrestha: "A 12-year retrospective evaluation of anal pre-cancerous lesions and cancer in people living with HIV-1 infection in the Southeastern U.S." Submitted to Infectious Agents and Cancer. IAAC-D-20-00121.

#### **Manuscripts in preparation:**

1. Mruthyunjayappa S, Garner E, Reddy S, Council L and **Al Diffalha S**: "Carcinosarcoma with condroid differentiation and high-grade neuroendocrine carcinoma: Unusual biphasic tumor of the Gallbladder and review of literature".
2. Patel C, Booth P, Hingorani N, Shoreibah M and **Al Diffalha S**: "Amyloidosis: An Act of Deception".
3. Mruthyunjayappa S, Patel C and **AL Diffalha S**: "Primary Hepatic AdenoSquamous Carcinoma in White American Female with hypercalcemia Masquerading an abscess at the Gallbladder bed: A case report and review of the literature".

#### **Book chapters:**

1. Woodlyne Roquiz, **Sameer Al Diffalha** and, Ameet Kini "Leukocyte Development, Kinetics, and Functions" Rodak's Hematology" Clinical Principles and Applications, 5th ed.
2. **Sameer Al Diffalha**, Farah Khalil. "Neuroendocrine Tumors (NETs) of the Mediastinum and Thymus." Molecular Pathology and Diagnostics of Cancer 2nd ed. Pages 141-151

#### **Published abstracts:**

1. Agarwal S, Chakravarthi B, Behring M, Kim H, Hale K, Alsubaie A, **Al Diffalha S**, Sugandha S, Varambally S and Manne U: Abstract 851: MicroRNA-124 modulated collagen-prolyl hydroxylase P4HA1 expression regulates colon cancer progression Cancer Res. 2019 (79) (13 Supplement) 851; DOI: 10.1158/1538-7445.AM2019-851.
2. Patel C, Manne U, Collingwood R, Arnesen C, and **Al Diffalha S**: "Expect the Unexpected: A Case Series of Cirrhotic-like Hepatocellular Carcinoma in Explanted Livers" <https://www.archivesofpathology.org/doi/full/10.5858/arpa.2019-0901-AB>.
3. Patel C, Hingorani N, Shoreibah M, Boothe P and **Al Diffalha S**: "Amyloidosis an Act of Deception". <https://www.archivesofpathology.org/doi/full/10.5858/arpa.2019-0901-AB>.
4. Mruthyunjayappa S, Patel C, Council L, and **Al Diffalha S**: "Primary Hepatic Aden-squamous Carcinoma in a White Woman Masquerading as Hepatic Abscess" <https://www.archivesofpathology.org/doi/full/10.5858/arpa.2019-0901-AB>.

5. Arnesen C, Reddy V, Reddy S, Eltoun I, and **Al Diffalha S**: “Follicular Pancreatitis, a Recently Described Variant of Chronic Pancreatitis Masquerading as Mucinous Cystic Neoplasm”. <https://www.archivesofpathology.org/doi/full/10.5858/arpa.2019-0901-AB>.
6. Mruthyunjaya S, Reddy S, Garner E, Rosenblum F and **Al Diffalha S**: “Mixed Carcinosarcoma and High-Grade Neuroendocrine Neoplasm: Unusual Triphasic Tumor of the Gallbladder” <https://www.archivesofpathology.org/doi/full/10.5858/arpa.2019-0901-AB>.
7. **Al Diffalha S** et al: “Tu1324 CD133 Protein Expression as a Biomarker for Early Detection of Gastric Cancer”. *Gastroenterology*, Volume 150, Issue 4, S874 - S875
8. Wang L, Drakes M, **Al Diffalha S**, Pongpruttipan T and Venkataraman G: “Epstein-Barr virus Induced 3 (EBI3) is expressed only in a subset of EBV positive Extra Nodal NK/T Cell Lymphoma” ASCP annual meeting (2013) Chicago, IL *Am J Clin Pathol* 2013; 140: A062.
9. **AL Diffalha S**, Shaar M, Davis C, Fisichella M, Mehrotra S and Wafai R: “Correlation of Immunohistochemical Stain for Pepsin on Trans-bronchial Biopsy with Pepsin levels in Bronchoalveolar Lavage Fluid in Lung Transplant Patients”. (CAP14). *Archives of Pathology & Laboratory Medicine*: September 2014, Vol. 138, No. 9, pp. e2-e183. <https://www.archivesofpathology.org/doi/full/10.5858/arpa.2014-0279-AB>.
10. **Al Diffalha S**, Khalil F: “Neuroendocrine Tumors of the Thymus. Experience of Single cancer center”. *Moffitt Pathology Symposium, Second Annual, 2015*. Clearwater FL. <https://moffitt.org/media/5075/175.pdf>
11. **Al Diffalha S**, Khalil F: “A rare case of combined small cell lung cancer with adenocarcinoma and squamous cell carcinoma”. *Moffitt Pathology Symposium, Second Annual 2015*. Clearwater FL. <https://moffitt.org/media/5075/175.pdf>
12. Marie Eatrdes J, Coppola D, **Al Diffalha S**, Kim R, Springett G, and Mahipal A: “Microsatellite instability in pancreatic cancer”. *Journal of Clinical Oncology* 2016 34:15\_suppl, e15753-e15753.
13. Tahmasbi M, **Al Diffalha S**, Agosto-Arroyo E, Khazai L, Xiong Y and Rosa M: “Impact of core needle biopsy tumor size on final pathologic tumor staging of breast carcinomas”. (CAP16). *Archives of Pathology & Laboratory Medicine*: 2016, Vol. 140, No. 9, pp. e2-e244.
14. Thomas S, Abuel-Haija M, **Al Diffalha S**, and Jiang K: “Simultaneous Presentation of Renal Cell Carcinoma, Clear Cell Type with Renal Oncocytoma and Low-Grade Mucinous Adenocarcinoma of the Appendix” *USF Health Research Day 2017*. <https://www.eposters.net/poster/simultaneous-presentation-of-renal-cell-carcinoma-clear-cell-type-with-renal-oncocytoma-and-low>

### **Platform presentations:**

1. Dhall D, **Al Diffalha S**, Chandrashekar D, Manne U, and Varambally S: *Endoplasmic reticulum oxidoreductase 1 alpha (ERO1L), a potential therapeutic target, is a predictor of poor survival in pancreatic ductal adenocarcinoma*. UAB Department of Pathology Research retreat 16<sup>th</sup> 2019
2. Axley P, **AL Diffalha S**, Council L, Collingwood R, Tracht J, Shajan P: *Reliability of Videoconferencing Pathology in the Interpretation of Barrett’s Esophagus*. Lecture presentation during Digestive Disease Week® at the San Diego Convention Center, San Diego, CA 2019
3. Valcin J, Swain T, **Al Diffalha S**, Young M, Gamble K, and Bailey S: *Impact of chronic alcohol and hepatocyte circadian clock disruption on diurnal rhythms of lipid droplet-*

*associated genes and hepatic steatosis in mice.* Lecture presentation during Gordon Conference 2019

4. Patel C, Hingorani N, Shoreibah M and **Al Diffalha S**: Amyloidosis: An Act of Deception. Presented at 13th Annual UAB Department of Pathology Trainee Research Day. Birmingham AL 2018
5. **AL Diffalha S**, Lauwers G and Coppola D: CD133 Protein Expression as a Biomarker for Early Detection of Gastric Cancer". 3rd Annual Moffitt Pathology Symposium Meetings, Sarasota, FL. 2017
6. **Al Diffalha S** and Hutchens K: DFSP, Myxoid Variant. Presented at Illinois Registry of Anatomic Pathology (IRAP) Meeting, Chicago, IL 2012

#### **Poster Presentations at international meetings:**

1. Baldwin N, Gray M and **Al Diffalha S**: "P2188 (S2441). Acute Liver Failure Due to Toxoplasmosis after Orthotopic Liver Transplantation" To be presented at American College of Gastroenterology (ACG) 2020 Virtual Annual Meeting, October 23-28, 2020.
2. Singh N, Eich M-L, Robinson A, Collingwood R, Varambally S, **Al-Diffalha S** and Harada S: "NAB-2-STAT6 Gene Fusions to identify primary/metastasis Hemangiopericytoma/Solitary fibrous Tumors" to be presented at Association for Molecular Pathology (AMP) 2020 Annual Meeting & Expo, virtually, November 16-20
3. Fei F, Reddy V, Patel C R, Dhall D, Lee G, Xiong M, and **S Al Diffalha**: "Monomorphic epitheliotropic intestinal T-cell lymphoma (MEITL) A study of four cases " CAP 2020 Las Vegas, Nevada. October 2020
4. Mruthyunjayappa S, Patel C, Lee G, Council L, Manne U and **Al Diffalha S**: "Mucinous cystic neoplasms of liver and the use of SF1 immunohistochemistry, University of Alabama at Birmingham experience" CAP 2020 Las Vegas, Nevada. October 2020
5. Chen R, Magi-Gallize C, Fei F and **Al Diffalha S**: "Malakoplakia: a rare disorder with no significant racial prevalence". CAP 2020 Las Vegas, Nevada. October 2020
6. Aldrees R, Wei S, Prieto Granada C, Patel C R, and **Al Diffalha S**: "Breast Implant-Associated Squamous Cell Carcinoma Presenting with a Breast Abscess: A Case Report and Review of the Literature". CAP 2020. Las Vegas, Nevada. October 2020
7. Memon R, **AL Diffalha S**, Wei S and Patel C R: "Metaplastic carcinoma with abundant sarcomatid elements and osteoclastic multinucleated giant cell; an unusual presentation". CAP 2020 Las Vegas, Nevada. October 2020
8. Xiong M, Patel R, Manne U, and **Al Diffalha S**: *Cirrhosis-mimetic Hepatocellular Carcinoma: A Single Institution Experience.* USCAP 109th Annual Meeting, 2020, Los Angeles Convention Center, LA California
9. Fei F, Reddy V, Deniz P, Patel C, Dhall D, Lee G, **Al Diffalha S**: *A Single Institution Experience in EBV Positive Mucocutaneous Ulcer: A New Entity of 2017 WHO.* Abstract USCAP 109th Annual Meeting, 2020, Los Angeles Convention Center, LA California
10. Patel C, Behring M, **Al Diffalha S**, Jhala N, Dhall D, and Manne U: *Prognosis of Colorectal Mucinous Adenocarcinomas is Dependent on Anatomic Location.* USCAP 109th Annual Meeting, 2020, Los Angeles Convention Center, LA California
11. Gbolahan O, Williams G, **Al Diffalha S**, and Paluri R: *A comprehensive analysis of the immune microenvironment of gastric and colon signet ring cell adenocarcinoma.* American Society of Clinical Oncology (ASCO), 2020

12. Agarwal S, Behring M, Kim H, Gupta N, Chandrashekar D, **Al Diffalha S**, Varambally S, and Manne U: "*TRIM29 mediates metastasis through hypoxia-regulated proteins in microsatellite-stable and p53-mutated colorectal cancer*". ACCR annual meeting, 2020, San Diego Convention Center, San Diego, California
13. Harris P, Winters J, **Al Diffalha S** and Weber F: "*Carney's complex, a rare case and review of literature*" American College of Gastro Annual meeting 2019, San Antonio TX
14. Arnesen C, Patel C, Hingorani N, Shoreibah M and **Al Diffalha S**: "*Amyloidosis: An Act of Deception*" CAP, 2019, Orlando FL
15. Patel C, Manne U, Collingwood R, Arnesen C, and **Al Diffalha S**: "*Expect the unexpected. A Case series of Cirrhotic-like Hepatocellular carcinoma in explanted livers*". CAP 2019, Orlando FL
16. Mruthyunjappa S, Garner E, Reddy S, Council L and **Al Diffalha S**: "*Carcinosarcoma with chondroid differentiation and high grade neuroendocrine carcinoma: unusual biphasic tumor of the Gall bladder*" CAP 2019, Orlando FL
17. Mruthyunjappa S, Patel C and **AL Diffalha S**: "*Primary Hepatic AdenoSquamous Carcinoma in White American Female with hypercalcemia masquerading an abscess at the Gallbladder bed*". CAP 2019, Orlando FL
18. Axley P, **AL Diffalha S**, Council L, Collingwood R, Tract J and Shajan P: *Reliability of Videoconferencing Pathology in the Interpretation of Barrett's Esophagus*. Lecture presentation. Digestive Disease Week®. San Diego Convention Center, San Diego, CA, 2019
19. Valcin J, Swain T, **Al Diffalha S**, Young M, Gamble K, and Bailey S: *Impact of chronic alcohol and hepatocyte circadian clock disruption on diurnal rhythms of lipid droplet-associated genes and hepatic steatosis in mice*. Lecture presentation. Gordon Conference 2019
20. Saller J, **Al Diffalha S** \*, Neill K, Oliveri C, Levine H, Lee J, and Coppola D: *CDX2 protein expression in esophageal biopsies without histological evidence of intestinal metaplasia may predict the presence of undetected Barrett's esophagus*. USCAP, Vancouver Canada 2018. \*  
**First Co-authors**
21. **Al Diffalha S**, Walker R, Enderling H, Pimiento J, Mejia J and Coppola D: *CD133 Protein Expression as a Biomarker for Early Detection of Gastric Cancer*. DDW 2016 Annual Meeting San Diego, CA
22. Neill K, Zhang X, **Al Diffalha S**, Malafa M, Centeno B, Magliocco A and Coppola D: *L861Q mutation in metastatic solid pseudo papillary neoplasm*. USCAP 2016, Seattle, WA
23. Eatrdes J, Coppola D, **Al Diffalha S**, Kim R, Springett M G, Mahipal A: *Microsatellite Instability in Pancreatic Cancer*. ASCO 2016 Annual Meeting, Chicago IL
24. **Al Diffalha S**, Hisijos N, Aldulescu M, Xianzhong D, Pambuccian S and Atieh M: *MOC-31 Expression of Background Cirrhotic Nodules in Liver Biopsies of Hepatic Lesions; a Potential Pitfall in Small Biopsy/Cytology Specimen*. USCAP Annual Meeting, 2015, Boston, MA
25. Arville B, Evans H, **Al Diffalha S**, Barkan G, Pambuccian S, and Atieh M: *Inter-Observer Variability of Two-Tiered Atypia Grading in Endoscopic Ultrasound Guided Fine Needle Aspirations of Cystic Mucinous Pancreatic Neoplasms*. USCAP (2014), San Diego, CA
26. Chen H, VandenBoom T, **Al Diffalha S**, Gamez R, Pambuccian S, and Yong S: *Digital images versus glass slides: how do they compare in gastrointestinal pathology at all levels of training?*. USCAP (2014), San Diego, CA
27. **AL Diffalha S**, Sojitra P, Omman R, Duan X, Godellas C, Perez C, Pambuccian S and Gamez R: *Determinantes of Axillary Sentinel Lymph Nodes Positivity: An Analysis of 985 cases*. USCAP (2014), San Diego, CA



28. **AL Diffalha S**, Sojitra P, Duan X, Godellas C, Perez C, Gamez R and Pambuccian S: *Frozen Section Diagnosis of Breast Cancer: Discrepancy rate, And Number of Lymph Nodes and Optimal Number of Sentinel Lymph Node Examined*. USCAP (2014), San Diego, CA
29. **Al Diffalha S**, Roquiz W, Barkan G, Wojcik E, Picken M, and Pambuccian S: *Immunohistochemistry in the Workup of Prostate Biopsies: Utility, Variation and Appropriateness of Use among Pathologists at a Tertiary Academic Center*. USCAP (2013), Baltimore, MD
30. **Al Diffalha S**, Wang L, Mehrotra S, Picken M and Venkataraman G: *Extra-medullary amyloid deposits are frequently present in AL-amyloidosis bone marrows: Need for better definition of marrow involvement*. USCAP (2013), Baltimore, MD
31. **Al Diffalha S**, Patel A, Wojcik E, and Hutchens K: *Metastasizing and deeply invasive AFX does not always have histological clues on superficial biopsy*. The American society of Dermatopathology (ASDP) (2013), Washington, DC

#### **Poster Presentations at national/local meetings:**

1. Youssef M, Pena M, Portillo S, Mari S L, **Al Diffalha S**, Galluzzi MG: “*Mismatch repair gene expression in testicular germ cell tumors and retroperitoneal lymph node metastasis*”. 2020 ASCP Virtual Annual Meeting
2. **Al Diffalha S**, Chandrashekar D, Dhall D, Manne U, and Varambally S: *DRI Associated Protein 1 (DRAP1) is Overexpressed in Hepatocellular Carcinoma and is Associated with Poor Prognosis*. UAB Department of Pathology Research retreat 2019
3. Dhall D, **Al Diffalha S**, Chandrashekar D, Manne U, and Varambally S: *Endoplasmic reticulum oxidoreductase 1 alpha (ERO1L), a potential therapeutic target, is a predictor of poor survival in pancreatic ductal adenocarcinoma*. UAB Department of Pathology Research retreat 2019
4. Dhall D, **Al Diffalha S**, Chandrashekar D, Manne U, and Varambally S: *Tyrosyl-TRNA Synthetase (YARS), a potential therapeutic target is a predictor of poor survival in hepatocellular carcinoma*. UAB Department of Pathology Research retreat 2019
5. **Al Diffalha S**, Khalil F: *Neuroendocrine Tumors of the Thymus. Experience of Single cancer center*. Presented at Moffitt Pathology Symposium, Second Annual, 2015. Clearwater, FL. <https://moffitt.org/media/5075/175.pdf>
6. **Al Diffalha S**, Tahmasbi M, Arroyo E, Rosa M, and Khazai L: “*Symmetrical Lipomatosis of Tongue with Coexistent Amyloid Deposition*”. First AP Annual Research Day at Moffitt Cancer Center
7. **Al Diffalha S**, Khalil F: *A rare case of combined small cell lung cancer with adenocarcinoma and squamous cell carcinoma*. Moffitt Pathology Symposium, Second Annual, 2015. Clearwater, FL. <https://moffitt.org/media/5075/175.pdf>
8. Tahmasbi M, **Al Diffalha S**, Strosberg C, Sandin R and Ghayouri M: “*Duodenal Toxoplasmosis in a Transplant Patient: A Rare Case Report*”. Moffitt Pathology Symposium, Second Annual, 2015. Clearwater, FL
9. Witalka T, **Al Diffalha S**, Atieh M, Yong S, Hayden D: “*IgG4- positive plasma cell elevation and deep infiltration in structuring bowel diseases*”. American Society of Colon & Rectal Surgeons 2014. Hollywood, FL
10. **AL Diffalha S**, Chen H, Atieh M, Daniel S, Pambuccian S and Yong S: *A Comparison of GI versus non GI Granular Cell Tumors and Reactive Schwann Cell Processes by a Panel of IHC*

*Stains (MITF, S100, CD56, CD57, CD117, Calretinin, EMA, CD68 and Ki 67).* ASCP 2014 Annual Meeting, in Tampa, FL.

11. Wang L, Drakes M, **Al Diffalha S**, Pongpruttipan T and Venkataraman G: *Epstein-Barr virus Induced 3 (EBI3) is expressed only in a subset of EBV positive Extra Nodal NK/T Cell Lymphoma.* ASCP annual meeting (2013) Chicago, IL Am J Clin Pathol 2013; 140:A062.
12. Jain S, Tobin K, Henry E, **Al Diffalha S**, Shah R, Czerlanis C, Bhoopalam N. "Intravascular Diffuse Large B-Cell Lymphoma, A case series and literature review." 9th Annual Meeting Association of Hematology/Oncology Atlanta GA. 2013.

## **VOLUNTEERING SERVICES:**

2018-current	Cancer pathology and histology educational sessions to Post-Doctoral research fellows, Wallace Tumor institute UAB
2018-currnt	Church of the Highlands: Volunteering Medical team
2018-2019	Church of the Highlands: Quiet Storm Small group to provide relief to people in need after storm.
2018-2019	Church of the Highlands: Serve day. Help seniors to do constriction work at their houses and to the school in the community.
2009-2011	Emergency room service, Damascus Syria, Al-Eitaly hospital.
2009-2011	Primary care clinic of Syrian church, Damascus Syria.